KALENDARIUM

Astronomical, Meteorological, and Chronological:

OR, AN

ALMANACK

For the Year of our Lord Christ

M DC LXXIII.

Being the first after the Leap-Year.

Calculated for the Meridian of *LONDON*,

AND

Furnished with necessary Rules, Tables and Directions, for the Accommodation and Use of

Merchants, *Travellers*, *Tradesmen*, *Mariners*, *Mathematicians*, *Astrologers*.

By *James Bowker*, Astrophilo.

LONDON, Printed by *Andrew Clark* for the Company of *Stationers*. 1673.

Vulgar Notes, and Moveable Feasts for this Year 1673. according to

THE

Julian, or English Account.		*Gregorian*, or Foreign Account.
2	The Golden Number	2
2	The Cycle of the Sun	2
☾	Dominical Letter	☾
22	The Epact	12
February 9	Shrove-Sunday	*February* 19
March 30	Easter Day	*April* 1
May 4	Rogation Sunday	*May* 7
May 8	Ascension day	*May* 11
May 18	Whitsunday	*May* 21
May 25	Trinity-Sunday	*May* 28
November 30	Advent Sunday.	*December* 3

Times of Marriage Prohibited.

From { The beginning of the year till *January* 14.
January 26. to *April* ☿.
May 4. till *May* 25.
November 30. to the years end.

THE Glorious Planet VENUS is our Evening Starr from the beginning of the year till the 20 of *June*, and then it is Oriental; and is our Morning Starr till the years end.

The Beginning and Ending of the Terms, with their Returns.

Eſſoyn' days, or days of Return.		Days of Except.	Returna Brevium	Days of Appearan.
Hilary Term begins *January* 23. ends *Febr.* 12.				
Octab. Hil.	*Janua.* 21	22	23	24
Quind. Hill.	*Jan.* 28	29	30	31
Craſt. Purif.	*Feb.* 3	4	5	6
Octab. Purif.	*Feb.* 10	11	11	12
Eaſter Term begins *April* 16. ends *May* 12.				
Quind Paſch.	*Apr.* 14	15	16	17
Treſ. Paſch.	*Apr.* 21	22	23	24
Menſ. Paſch.	*Apr.* 28	29	30	*May* 1
Quinq. Paſch.	*May* 5	6	7	8
Craſt. Aſcenſ.	*May* 9	10	11	12
Trinity Term begins *May* 30. ends *June* 18.				
Craſt. Trin.	*May* 26	27	28	29
Octab. Trin.	*June* 2	3	4	5
Quind. Trin.	*June* 9	10	11	12
Treſ. Trin.	*June* 16	17	18	19
Michaelmas Term begins *Octob.* 23. ends *Nov.* 29				
Treſ. Mich.	*Octob.* 20	21	22	23
Menſ. Mich.	*Octob.* 27	28	29	30
Craſt. Anim.	*Nov.* 3	4	5	6
Craſt. Mart.	*Nov.* 12	13	14	15
Octab. Mart.	*Nov.* 19	20	21	22
Quind. Mart.	*Nov.* 26	27	28	28

A Table shewing the time of High Water in all the Ports below mentioned.

Age.	Houres and Minutes to be added.		
	Ho.		Mi
1	0		49
2	1		38
3	2		26
4	3		15
5	4		3
6	4	Afternoon	53
7	5		41
8	6		30
9	7		19
10	8		8
11	8		56
12	9		45
13	10		34
14	11		23
15	12		11
16	0		0
17	1		0
18	1		49
19	2		38
20	3		26
21	4	Morning	15
22	5		3
23	5		53
24	6		41
25	7		30
26	8		19
27	9		8
28	9		56
29	10		45
30	11		34

The Names of the Ports.	Ho.	Mi
Queenborough, Southampton. Portſmouth.	0	0
Rocheſter, Maldon, Blacktail,	0	45
Graveſend, Dover, Blackneſs, Silly,	1	30
Dundee, St. Andrews, Lisbon, Lucas,	2	15
London, Tinmouth, Amſterdam, Rotterdam,	3	0
Barwick, Fluſhing, Flamborough,	3	45
Baltamoor, Corke, Severn, Callice,	4	30
Falmouth, Humber, New-Caſtle,	5	15
Plimouth, Hull, Lin, St. Davids,	6	0
Briſtol, Start-point, Waterford,	6	45
Milford, Bridgwater, Lands-end,	7	30
Portland, Hartflew, Dublin,	8	15
Pool, Iſle of Man, Dunbar, Piepe,	9	0
Needles, Orford, South and N. Forelands,	9	45
Yarmouth, Dover, Harwich,	10	30
Rie, Winchelſey, Colſhot,	11	15

The Uſe of theſe Tide-Tables.

IN the Table following, you have the Days age every day of the year, which being known, ſeek the Moons age in this Table, and ſee what hours and minutes ſtand against it, thoſe hours and minutes being added to the hours and minutes which ſtand againſt the name of the place you would know the time of High-water at, will give you the time of high water at that place.

Example.

If you would know what time it will be High-water at *Graveſend*, upon the 29 day of *January*, look in the Kalendar and againſt the 29 day of *January*, you ſhall find the Moon is 13 days old: wherefore find 13 days in this Table under (☾ Age) and againſt it you ſhall find 10 h. 34 m. which being added to 1 h. 30 m. (the hours and minutes ſtanding againſt *Graveſend*) the ſum is 12 h. 4 m. at which time it will be high water at *Graveſend* on the 21 of *January* afternoon--But if the hours and minutes added together exceed 12 hours, you muſt caſt away 12 hours, and the time of high water will remain. So on the 17 of *January*, the Moon being 9 days old, the hours and min. againſt 9 days old are 7 h. 19 min. which added to 10 h. 30 m. (the hours and min. ſtanding againſt *Dover*) make 17 h. 49. m. from which take 12. h. and there remains, 5 h. 49 m. at which time, it will be high water at *Dover* the 17 of *January*.

A Table shewing the Moons age every day.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	22	24	23	24	24	26	27	28	1	2	3	4
2	23	25	24	25	25	27	28	29	2	3	4	5
3	24	26	25	26	26	28	29	1	3	4	5	6
4	25	27	26	27	27	29	30	2	4	5	6	7
5	26	28	27	28	28	1	1	3	5	6	7	8
6	27	29	28	29	29	2	2	4	6	7	8	9
7	28	1	29	30	1	3	3	5	7	8	9	10
8	29	2	30	1	2	4	4	6	8	9	10	11
9	1	3	1	2	3	5	5	7	9	10	11	12
10	2	4	2	3	4	6	6	8	10	11	12	13
11	3	5	3	4	5	7	7	9	11	12	13	14
12	4	6	4	5	6	8	8	10	12	13	14	15
13	5	7	5	6	7	9	9	11	13	14	15	16
14	6	8	6	7	8	10	10	12	14	15	16	17
15	7	9	7	8	9	11	11	13	15	16	17	18
16	8	10	8	9	10	12	12	14	16	17	18	19
17	9	11	9	10	11	13	13	15	17	18	19	20
18	10	12	10	11	12	14	14	16	18	19	20	21
19	11	13	11	12	13	15	15	17	19	20	21	22
20	12	14	12	13	14	16	16	18	20	21	22	23
21	13	15	13	14	15	17	17	19	21	22	23	24
22	14	16	14	15	16	18	18	20	22	23	24	25
23	15	17	15	16	17	19	19	21	23	24	25	26
24	16	18	16	17	18	20	20	22	24	25	26	27
25	17	19	17	18	19	21	21	23	25	26	27	28
26	18	20	18	19	20	22	22	24	26	27	28	29
27	19	21	19	20	21	23	23	25	27	28	29	30
28	20	22	20	21	22	24	24	26	28	29	30	1
29	21		21	22	23	25	25	27	29	30	1	1
30	22		22	23	24	26	26	28	30	1	2	2
31	23		23		25		27	29	1	2	3	3

Since

England was Conquered by Duke *William*	627
London Bridge was built of Stone	464
Guns were invented	295
Printing of Books was invented	233
Henry the Eighth Conquered *Bulloign*	130
Coaches were first used in *England*	118
Pauls Steeple was Fired by Lightning	112
The Massacre in *France*	101
Tilbury Camp	85
The Gun-Powder Treason *Novemb.* 5.	68
King *Charles* the I was Born	73
30578. died of the Plague in *London*	70
The great Frost	66
Prince *Henry* died	62
The Great Snow,	57
The Blazing-Star in *November*, 1618.	55
Sir *Walter Rawleigh* was beheaded	55
Queen *Anne* died	54
Prince *Charles* went to *Spain*	61
The Fall at *Black-Friers*	50
The Cruelty committed at *Amboyna*	49
54265. died of the Plague in *London*	48
The Voyage to the Isle of *Rhee*	46
The Duke of *Buckingham* was Stabb'd	45
King *Charles* the II. was Born, *May* 29	43
St. *Pauls* Cathedral began to be repaired	39
The *Hollanders* met the *Spaniards* in the *Downs* and Fought them	34
The Long Parliament began, *Novemb.* 3.	33
The Rebellion in *Ireland* brake out	32
Edge-Hill Fight	31
Brainford Fight	30
Newbury first Battel, *Sept.* 20.	29
The *Scotch* Army of 20000. entred *England*	29
Marston Moor Fight	29

The Bishop of *Canterbury* was beheaded 28
Newbery second Fight, *Octob.* 28. 28
Naseby Fight, *June* 14. 28
The *Scots* were Routed in *Lancashire* 25
King *Charles* the I. was murthered 25
Duke *Hamilton*, Lord *Capel*, and Earl of *Holland* were beheaded 25
Colchester was taken 25
Worcester Fight, *Septemb.* 3. 22
The Long Parliament dissolved by *O. C.* 20
The Great Fight at Sea between the *English* and the *Dutch*, and the *Dutch* beaten, *June* 23. 20
Usurping *Oliv. Cromw.* took the Government 19
Dunkirk was delivered to the *English* 15
Sir *Hen. Slingsby*, and Dr. *Hewet* Beheaded 15
Usurping *Cromwel* died, *Sept.* 3. 15
Gen. *Monck* marched to *London* 14
He brought the Secluded Members to the House 13
The Parliament began, *April* 25. 13
King *Charles* the II. arrived in *London*, *May* 29. 13
Harrison and the rest of the Regicides were Executed at *Charing-Cross* 13
King *Charles* the II. was Crowned, *April* 23. 13
Three Comets appeared 8
The first great Sea-Fight between the *Dutch* and *English*, wherein the *Dutch* were beaten, and 22 Ships taken 8
97351. died in one year in *London*, whereof of the Plague 68586 8
The second Fight with the *Dutch*, *June* 1, 2, 3. 7
The third Fight with the *Dutch* 7
There was about 13200. Houses burnt in *London*, *September* 2, 3, and 4 days 7
The Treaty with the *Dutch* 5
Two Whales came up the *Thames*, one to *Gravesend*, the other to *Greenwich*, *August* 9. 4
London after its utter ruine by fire rebuilded 2

Since

● New Moon the 8. day, at 7 min. after 2 in the morn.
☽ First quarter the 16. day, 33 min. past 3 in the morn.
○ Full Moon the 22. day, at 10 min. past 1 after noon.
☾ Last quarter the 29. day, at 20 min. past 5 at night.

1	a	Circumcision	22	♍ 2	9	♏ 48	☐ ☿ ☾ 2 p.	Cloudy
2	b	*Octab. Stephen.*	23	3	22	4	☐ ♀ ☾ 4 p.	moist
3	c	Meliorus	24	4	4	♐ 8	and variable	
4	d	Croniacus	25	5	16	7	weather,	
5	e	Simeon	26	7	28	1	☐ ♄ ☾ at noon.	
6	f	Epiphania	27	8	9	♑ 53	Fair, but	
7	g	Ced. B. Lond.	28	9	21	48	☐ ♅ ☾ 4 a. ☀ ☉ ♄	
8	a	Lucian	29	10	3	♒ 44	Cold	
9	b	Adrian Abb.	0	♒ 11	15	44	☌ ☿ ☾ 8 a.	
10	c	Paul Brem.	1	12	27	50	☌ ♀ ☾ at midnight	
11	d	Hyginus	2	13	10	♓ 3		
12	e	1 aft. Epiph.	3	15	23	28	☌ ♄ ☾ at midnight	
13	f	Hilary	4	16	5	♈ 9	Cloudy and	
14	g		5	17	17	57	☍ ♅ ☾ at noon	
15	a	Maurus	6	18	1	♉ 8	☌ ☌ ☾ 5 a.	dark,
16	b	Marcellus	7	19	14	49	☌ ☉ ☿	Moist
17	c	Anthony Ab.	8	20	28	34	Rain and misling	
18	d	Prisca	9	21	12	♊ 53	☐ ♀ ☾ 1 p.	
19	e	2 aft. Epiph.	10	22	27	32	☐ ♄ ☾ 3 p.	
20	f	Fabian	11	23	12	♋ 29	☐ ♅ ☾ at midnight	
21	g	Agnes	12	24	27	32	☍ ☿ ☾ 5 p.	
22	a	Vincent	13	25	11	♌ 37	Wet and dark	
23	b	Term begins	14	26	27	32	weather with	
24	c	Timothy	15	26	12	♍ 5	⚹ ♄ ☿	Sleet
25	d	Conv. S. Paul	16	27	26	16	☍ ♀ ☾ 6 a. ☍ ♄ ☾	
26	e	Septuagesima	17	28	9	♎ 59	Snow	
27	f	Julian	18	29	23	15	☌ ♅ ☾ 7 a.	
28	g	Agnes Aparit.	19	30	6	♏ 6	☍ ☌ ☾ at noon	
29	a	Valerius	20	30	18	36	⚹ ♀ ☿	Variable
30	b	K. CHAR. I. M.	21	31	1	♐ 50	and moist weather	
31	c	Adamon. Pr.	22	32	12	51	with Westerly winds.	

January.	☽ D.	♄ D.	M	♃ D.	M	♂ D.	M	♀ D.	M.	☿ D.	M.	☾ Lat. D.	M.
	1	27	♓25	17	♎19	19	♈17	2	♒28	10	♒59	4	50
The	6	27	49	17	35	22	15	28	38	14	8	3D	55
Planets	11	28	14	17	48	25	14	42	♓47	12	40	1	S 9
Places	16	28	46	17	54	28	15	10	55	7	R.22	5	3
	21	29	10	17	R.57	1	♉10	17	12	1	31	2D	42
	26	29	41	15	55	4	19	23	7	28	♍24	3M	36

1	8	0	4	0	Day 8 hours long.	1	☽	24	
2	7	59	4	1	Venus at her greateſt diſtance	2	10	12	
3	7	58	4	2	from the Sun.	3	11	0	
4	7	57	4	3		4	11	48	
☾	7	55	4	5		☾	12	36	
6	7	54	4	6		6	1	24	
7	7	53	4	7		7	2	12	
8	7	52	4	8		8	3	0	
9	7	50	4	10	Sun riſes SE. by E. and	9	3	51	
10	7	49	4	11	ſets SW. by W.	10	4	42	
11	7	46	4	12		11	5	33	
☾	7	44	4	14	Day 8 hours and a half long.	☾	6	24	
13	7	42	4	16		13	7	15	
14	7	41	4	18	Day lengthned 1 hour.	14	8	8	
15	7	Sun riſes.	40	4	Sun ſets.	19	15	8	57
16	7	38	4	20		16	9	48	
17	7	37	4	22	South arm of Crab South at 12.	17	10	39	
18	7	35	4	23		18	11	30	
☾	7	33	4	25		☾	12	23	
20	7	32	4	27		20	1	12	
21	7	30	4	28		21	2	5	
22	7	28	4	30	Day 9 hours long.	22	3	0	
23	7	27	4	32	Heart of Hydra South at 12.	23	3	48	
24	7	25	4	33		24	4	36	
25	7	23	4	35		25	5	24	
☾	7	21	4	37	The great Dog riſes achronically	☾	6	12	
27	7	19	4	39		27	7	c	
28	7	17	4	41		28	7	48	
29	7	15	4	43		29	8	36	
30	7	13	4	45	Day 9 hours and half long.	30	9	24	
31	7	12	4	47		31	10	12	

High water at London Bridge.

February.	♄ D.	♄ D.	♄ M.	♃ D.	♃ M.	♂ D.	♂ M.	♀ D.	♀ M.	☿ D.	☿ M.	☾ Lat. D.	☾ Lat. M.
The Planets places.	1	0	♈ 19	17	♎ 46	8	♉ 0	0	♈ 22	29	♑ 10	4	M 54
	6	0	53	17	34	11	5	6	23	2	♒ 14	0	20
	11	1	27	17	16	14	10	12	21	6	51	4	S 30
	16	2	2	16	55	17	17	18	17	12	31	4	D 7
	21	2	38	16	30	20	24	24	9	18	57	2	M 2
	26	3	15	16	1	23	31	29	59	26	0	5	17

1	7	12	4	48	Day lengthned 2 hours.			1	11	0	
☉	7	10	4	50	Sun rises ESE, sets WSW.			☉	11	48	
3	7	8	4	52	Lions heart South at 12.			3	12	36	
4	7	6	4	54				4	1	24	
5	7	4	4	56				5	2	12	
6	7	3	4	57				6	3	0	
7	7	1	4	59				7	3	51	
8	6	59	5	1	Day 10 hours long.			8	4	42	
☾	6	57	5	3				☾	5	33	
10	6	55	5	5				10	6	24	
11	6	53	5	7				11	7	15	
12	6	51	5	9				12	8	8	
13	6	49	5	11				13	8	57	
14	6	47	5	13	7*s are with the Moon.			14	9	48	
15	6	45	5	15	Day 10 hours and half long.			15	10	39	
☽	6	43	5	17				☽	11	30	
17	6	41	5	19	Day lengthned 3 hours.			17	12	23	
18	6	39	5	21				18	1	12	
19	6	37	5	23				19	2	5	
20	6	35	5	25	Sun rises E b.S. sets W b.S.			20	3	0	
21	6	33	5	27				21	3	45	
22	6	31	5	29				22	4	30	
☉	6	29	5	31	Day 11 hours long.			☉	5	15	
24	6	27	5	33				24	6	0	
25	6	25	5	35				25	6	45	
26	6	23	5	37				26	7	30	
27	6	21	5	39				27	8	15	
28	6	21	5	39				28	9	45	

Sun rises. Sun sets. High water at *London* Bridge.

☽ New Moon the 6 day, at half an hour past 6 at night.
☽ First quarter the 14 day, at 2 min. before 9 in the morn.
☾ Full Moon the 20. day, at 6 min. after midnight.
☾ Last quarter the 28. day, 3 quarters before 12 at noon.

1	a	Ignatius	23	♒	32	24	♐	40	☌ ♄ ☿ Cold,
2	b	Candlemas	24		33	6	♍	37	□ ♄ ☾ 11 a. Sudden
3	c	Blaze B. M.	25		34	18		30	□ ♀ ☾. Showers
4	d	Gilbert	26		34	0	♒	24	with Snow or
5	e	Agatha	27		35	11		25	□ ♂ ☾ Rain.
6	f	Dorothy V.	28		35	24		34	☉ Eclipsed.
7	g	Romwald	29		36	7	♓	23	
8	a	Edelfede Ab.	0	♓	36	19		22	Variable
9	b	Quinquage.	1		37	1	♈	5	Shrove-Sunday.
10	c	Scholastica V.	2		37	15		0	☌ ♄ ☾ ☍ ♀ ☾
11	d	Sother	3		37	28		8	Shrove-Tuesday
12	e	Term ends	4		38	11	♉	28	Ash-Wednesday
13	f	Ermenild Q.	5		38	25		5	☌ ♂ ☾
14	g	Valentine	6		38	8	♊	54	Warmer weather
15	a	Faustine	7		38	22		59	☍ ♀ ☿ and
16	b	Quadragesim.	8		39	7	♋	17	□ ♄ ☾ fair
17	c	Finan B.	9		39	21		49	□ ♀ ☾
18	d	Simeon B. M.	10		39	6	♌	27	△ ♀ ☿ Windy
19	e	Acca B.	11		39	21		7	□ ♂ ☽ and
20	f	Ember week	12		39	5	♍	42	Tempestuous
21	g	Cimbert B.	13		39	20		9	Weather.
22	a	Cath. Pet. & A.	14		39	4	♎	14	☍ ♄ ☾
23	b	Reminiscere	15		39	17		58	☌ ♀ ☾ □ ♂ ☿
24	c	S. Matthias	16		39	1	♏	19	Snow or Rain
25	d	Invent. Paul.	17		39	14		15	and unconstant
26	e	John	18		39	27		1	☍ ♂ ☾ Weather
27	f	Jerusph. B.	19		39	9	♐	5	to the Moneths
28	g	Oswald B. Y.	20		38	21		8	end.

M. D.	W. D.	The Feasts and Terms.	Suns Place.	Moons Place.	The Planets Aspects.

March hath xxxi. days.

● New Moon the 8. day, at noon.
☽ First quarter the 15. day, 6 min. after 4 in the afternoon
○ Full Moon the 22. day, 38 min. past 12 at night.
☾ Last quarter the 30. day, at a quarter past 6 in the morn.

1	D	David B.	21	♓	36	2	♍	59	□ ♄ ☾ Cold and
2	E	Oculi	22		38	14		50	□ ♅ ☾ Frosty
3	F	Lucius P.M.	23		37	22		40	Easterly Winds
4	G	Adrian	24		37	3	♒	35	□ ♀ ☾
5	a	Eusebius P.M.	25		37	10		39	Cold, if not some
6	b	Fridiline Ab.	26		36	2	♓	55	□ ♂ ☾. ☌ ♀ ☾
7	c	Aquinas D.C.	27		36	15		28	Snow about these
8	D	Dep. Felix	28		35	28		15	☌ ♄ ☾ days
9	E	Lætare	29		35	11	♈	20	Mid lent Sunday
10	F	Agapitus	0	♈	34	24		39	☍ ♅ ☾
11	G	Oswin K M.	1		34	3	♉	10	No constant weather
12	a	Gregory P.	2		33	21		55	☌ ☌ ☾ till about
13	b	Vigan Mon.	3		32	5	♊	47	☌ ☌ ☾ the 15. or
14	c	Leo B.	4		31	19		45	□ ♀ ☾ 16. days
15	D	Longinus	5		30	3	♋	48	□ ♄ ☾ ☌ ☉ ♄
16	E	Judica	6		30	17		55	□ ♅ ☾ then expect
17	F	Patrick B.C.	7		28	2	♌	4	cold Rains and
18	G	Edward K.M.	8		27	16		16	more Easterly winds
19	a	Josephus	9		27	0	♍	28	□ ☌ ☾ □ ♀ ☾
20	b	Cuthbert	10		26	14		37	Cloudy and moist
21	c	Benedict M.	11		24	28		37	☍ ♀ ☾ with some
22	D	Aphrodos.	12		23	12	♎	7	☍ ♄ ☾. ☌ ♅ hail
23	E	Palm Sunday	13		22	26		0	☍ ☉ ♈ windy
24	F	Agapitus	14		21	9	♍	13	☍ ♅ ♂ and stormy
25	G	Annun. Mary	15		20	22		10	♀ occid. weather
26	a	Wil. Norm. M	16		19	4	♐	44	☍ ☌ ☾ ☍ ♀ ☾ ☌ ☉ ☽
27	b	Archibald Ab.	17		18	17		2	Rain and
28	c	Richmond M.	18		17	20		5	misling Showers
29	D	Felix	19		16	10	♑	57	□ ♄ ☾ □ ♅ ☾
30	E	Easter day	20		15	22		46	□ ♂ ☾ Variable
31	F	Adelm B.	21		14	4	♒	24	with flying Clouds.

March	☽	♄ D.	M	♃ D.	M.	♂ D	M	☿ D.	M.	♀ D.	M.	☾ Lat. D.	M.
	1	3	♈37	15	♎42	25	♉24	3	♉27	0	♓26	4	M19
	6	4	14	15	R 9	28	31	9	10	8	25	0	S 30
The Planets Places.	11	4	56	14	53	1	♊39	14	49	16	50	4	56
	16	5	2	13	56	4	46	20	53	25	49	3	D 20
	21	6	7	13	17	7	54	25	52	5	♈23	2	M 43
	26	6	45	12	39	11	2	1	♊14	15	27	5	D 6
1	6	17	5	43								1	10 30
2	6	15	5	45	Day 11 hours and half long.							2	11 15
3	6	13	5	47	2) Lions Tail is South ♌ 12.							3	12 0
4	6	11	5	49	Days lengthned 4 hours.							4	12 45
5	6	9	5	51								5	1 30
6	6	7	5	53								6	2 16
7	6	5	5	55								7	3 1
8	6	3	5	57								8	3 48
9	6	1	5	59								9	4 36
10	6	0	6	0	Day 12 hours long.							10	5 24
11	5	58	6	2	Sun rises due East, sets due West.							11	6 12
12	5	56	6	4	The 7 stars with the Moon.							12	7 0
13	5	54	6	6								13	7 48
14	5	52	6	8								14	8 36
15	5	50	6	10								15	9 24
16	5	47	6	13								16	10 12
17	5	45	6	15	Day 12 hours and half long.							17	11 0
18	5	43	6	17								18	11 48
19	5	41	6	19	Days lengthned 5 hours.							19	12 36
20	5	39	6	21	Firſt in great Bears tail South							20	1 24
21	5	37	6	23	at midnight.							21	2 12
22	5	35	6	25	Sun is East at 16 min. after 6,							22	3 0
23	5	33	6	27	and due Weſt 44 m. after 5.							23	3 48
24	5	31	6	29								24	4 36
25	5	30	6	30	Day 13 hours long.							25	5 24
26	5	28	6	32								26	6 12
27	5	26	6	34								27	7 0
28	5	24	6	36	Sun riſes E b N. ſets W by N							28	7 48
29	5	23	6	37	28) Spica Virginis is S. at 12							29	8 36
30	5	21	6	39	29) The ſecond in the great							30	9 24
31	5	18	6	42	Bears tail is South at 12.							31	10 12

Sun riſes. Sun ſets. High Water at London Bridge.

New Moon the 7. day, at 10 min. past 1 in the morning.
First quarter the 13. day, a quarter past 9 at night.
Full Moon the 20. day, 11 min. after midnight.
Last quarter the 28. day, at midnight.

1	F	Conv. Ma. Mag	22	♈	12	16	♎ 27	Blustring winds
2	a	Francis Conf.	23		11	28	32	but hot and
3	b	Richard B.	24		10	10	♓ 52	☐ ♂ ☾ ☐ ☿ ☾
4	c	Guire Pr. & Her.	25		8	23	32	Cloudy
5	d	Martian	26		7	6	♈ 33	☌ ♄ ☾. ☍ ♅ ☾
6	e	Low Sunday	27		5	19	56	Fair weather but
7	f	Sigine Ab.	28		3	3	♉ 4c	flying Clouds
8	g	Dusian Con.	29		2	17	39	☌ ☿ ☾ produ-
9	a	Bristhan B.	0	☌	0	1	♊ 52	cing showers of
10	b	Eschillus B.M.	0		59	16	10	☌ ♂ ☾ ☌ ☿ ☾
11	c	Leo Pope	1		57	0	♋ 28	☐ ♄ ☾ Rain
12	d	Apolin	2		55	14	42	☐ ♅ ☾ Wind
13	e	Misericordia	3		53	28	51	and Rain
14	f	Tiburtius M.	4		51	12	♌ 50	
15	g	Transl. Oswald	5		50	26	46	☐ ☿ ☾ Hot wea-
16	a	Term begins	6		48	10	♍ 36	☐ ☿ ☾ ther for
17	b	Aniceetus P.M.	7		46	24	17	☐ ♂ ☾ the sea-
18	c	Oswin Monk	8		44	7	♎ 52	☌ ♄ ☾ ☌ ♅ ☾ son
19	d	Alphege	9		42	21	16	
20	e	Jubilate	10		40	4	♏ 30	☍ ♄ ♅
21	f	Anselm B.	11		38	17	3c	Hoary Frosts and
22	g	Soter P.M.	12		36	0	♐ 15	☍ ☿ ☾ Cold air
23	a	S. George	13		34	12	45	☌ ♂ ☿ Some
24	b	Melitus B.	14		32	24	58	☍ ♂ ☾ ☍ ♀ Show-
25	c	S. Mark Evan.	15		30	7	♑ 1	☐ ♄ ☾ ☐ ♅ ☾ ers
26	d	Cletus	16		27	18	53	☽ Apog. with
27	e	Cantate	17		25	0	♒ 43	Thunder and
28	f	Vitalis M.	18		23	12	30	Lightning
29	g	Peter Martyr	19		21	24	22	Very uncertain
30	a	Katharine	20		18	6	♓ 25	☐ ☿ ☾ Weather.

April	D	♄ D.	M	♃ D.	M.	♂ D.	M.	♀ D.	M.	☿ D.	M.	☾ Latit. D.	M.
The Planets Places.	1	7 ♈	30	11 ♎	53	14 ♊	48	7 ♊	32	28 ♈	3	0 M	55
	6	3	6	11	16	17	55	12	37	8 ♉	27	4	8
	11	8	42	10	41	21	3	17	33	17	59	4	10
	16	9	18	10	9	24	11	22	16	26	9	1 M	22
	21	9	52	9	40	27	19	26	48	2 ♊	39	5	1
	26	10	26	9	13	0 ♋	26	1 ♋	2	7	6	2 D	55

1	5	16	6	44		1	11	0
2	5	14	6	46	Day 13 hours and half long.	2	11	48
3	5	12	6	48	Days lengthned 6 hours.	3	12	36
4	5	10	6	50		4	1	24
5	5	8	6	52	The 3d. in G. Bears Tail S. at 12	5	2	12
●	5	6	6	54		●	3	0
7	5	4	6	56		7	3	48
8	5	3	6	57	Pegasus shoulder S. at 12.	8	4	36
9	5	1	6	59		9	5	24
10	4	59	7	1	Day 14 hours long.	10	6	12
11	4	57	7	3		11	7	0
12	4	55	7	5		12	7	48
●	4	53	7	7		●	8	36
14	4	51	7	9		14	9	24
15	4	50	7	10		15	10	12
16	4	48	7	12	Sun rises ENE. sets WNW.	16	11	0
17	4	46	7	14		17	11	48
18	4	44	7	16	Day 14 hours and half long.	18	12	36
19	4	42	7	18	Days lengthned 7 hours.	19	1	24
●	4	40	7	20	Sun is due East at 50 m. past 6	●	2	12
21	4	39	7	21	and West 10 min. after 5.	21	3	0
22	4	38	7	22	The 7 stars rise Cosmically.	22	3	48
23	4	36	7	24		23	4	36
24	4	34	7	26		24	5	24
25	4	32	7	28		25	6	12
26	4	30	7	30	Day 15 hours long.	26	7	0
●	4	29	7	31	Foremost guard S. at 12	●	7	48
28	4	28	7	32	North Balance S. at 12	28	8	36
29	4	26	7	34		29	9	24
30	4	24	7	36		30	10	12

Sun rise. Sun sets.

High water at *London* Bridge.

New Moon the 6. day, a quarter past 11 before noon.
First quarter the 13. day, 12 min. past 2 in the morn.
Full Moon the 20. day, half an hour past 1 afternoon.
Last quarter the 28. day, half an hour past 10 at night.

1	b	S. Philip & Jac.	21	♉	16	18	♓	44	Horile showers
2	c	Athanasius	22		14	1	♈	24	□ ♂ & □ ♀ ☾
3	d	Inven. Cruc.	23		11	14		31	☌ ♄ & ♆ ☾ with
4	e	Rogation Sund	24		0	28		4	Thunder, Wind
5	f	Gerhard	25		7	12	♉	2	and Rain.
6	g	John Port. lat.	26		4	26		4	☌ ♀ ☾ □ ☿ ♀
7	a	John Beverly	27		2	11	♊	3	Fair and good
8	b	Ascension day	27		59	25		47	□ ☿ ☌ seasonable
9	c	Nazianzen B.	28		57	10	♋	29	□ ♄ & □ ♅ & ☌ ☌ ☾
10	d	Gordis, &c.	29		54	25		5	weather.
11	e	Exaudi	0	♊	52	9	♌	28	
12	f	Term ends	1		49	23		35	□ ♄ ♀ Mists and
13	g	Servatius	2		47	7	♍	20	cold Rain
14	a	Boniface M.	3		44	21		3	
15	b	Sophia	4		42	4	♎	29	☌ ♄ ☾ □ ☌ ♄
16	c	Ubaldus B.C.	5		39	17		41	☍ ♄ & □ ♀ ☌ ☉ ☿
17	d	Tr. Bern.	6		36	0	♍	46	Thunder,
18	e	Whitsunday	7		34	13		37	Southerly winds,
19	f	Prudentia V.	8		31	26		18	
20	g	Ethelbert K.M.	9		28	8	♐	48	☍ ☿ ☾
21	a	Helen Q.	10		26	21		6	☌ ☌ ♀
22	b	Ember week	11		23	3	♎	14	□ ♅
23	c	Will. Rochef.	12		20	15		13	□ ♄ & ☍ ♀ ☾
24	d	Urbanus P.	13		17	27		5	Wet and moist
25	e	Trinity Sunday	14		15	8	♏	54	Weather
26	f	Austin B.	15		12	20		41	
27	g	Beda venerab.	16		9	2		34	□ ☿ ☾ Clouds
28	a	Jonas Ab.	17		6	14		26	and some Rain
29	b	Nat. CAR. II.	18		3	26		54	Corpus Christi
30	c	Term begins	19		1	9	♑	32	☌ ♄ & ☍ ♆ ☾
31	d	Petronella	19		58	22		35	□ ♀ ☾

May.	D	♄ d.	m.	♃ d.	m.	♂ d.	m.	♀ d.	m.	☿ d.	m.	☾ lat. D.	M.
The Planets Places.	1	10 ♈	58	8 ♎	51	3 ♋	34	4 ♋	58	9 ♊	34	2 A	11
	6	11	29	8	32	6	42	8	31	9 R	44	5	2
	11	11	59	8	18	9	49	11	36	8	19	1 D	8
	16	12	27	8	3	12	50	14	3	5	44	4	11
	21	12	54	8 Di	2	16	4	16	0	3	4	4 A	24
	26	13	19	8	2	19	12	17	4	1	15	0	1

1	4	23	7	37		1	11	0
2	4	21	7	39	3 day) The great Dog sets Achronically	2	11	48
3	4	20	7	40	The North Crown is South at 12	3	12	36
☾	4	18	7	42	The Hinder Guard South at 12	☾	1	24
5	4	17	7	43	Serpents neck S. at 12	5	2	12
6	4	16	7	44	Day 15 hours and a half long.	6	3	0
7	4	14	7	46	6) The Seven Stars with the Moon	7	3	51
8	4	12	7	48	Days long hence 8 hours.	8	4	42
9	4	11	7	49	The Sun is East at 9 min. after 7	9	5	33
10	4	10	7	50	and West 51 min. after 4 at night.	10	6	24
☾	4	9	7	51	Sun rises N E by E. & sets N W by W	☾	7	15
12	4	8	7	52	9) The seven Stars sets achronically	12	8	8
13	4	6	7	54	11) The Buls eye sets achronically.	13	8	57
14	4	5	7	55		14	9	48
15	4	4	7	56		15	10	39
16	4	2	7	58	The Scorpions heart is South at 12	16	11	30
17	4	1	7	59		17	12	23
☾	4	0	8	0	Day 16 hours long.	☾	1	12
19	3	59	8	1		19	2	5
20	3	58	8	2	The Bulls eye rises Cosmically.	20	3	0
21	3	57	8	3		21	3	48
22	3	56	8	4		22	4	36
23	3	55	8	5	The Scorpions Knee is South at 12	23	5	24
24	3	54	8	6		24	6	12
☾	3	54	8	6		☾	7	0
26	3	53	8	7	Hercules head is South at 12	26	7	48
27	3	52	8	8		27	8	36
28	3	52	8	8		28	9	24
29	3	51	8	9	King Charles the II. born and Restored.	29	10	12
30	3	51	8	9		30	11	0
31	3	50	8	10		31	11	48

New Moon the 4 day, 10 min. past 7 at night.
First Quarter the 11 day, 5 min. past 9 in the morning.
Full Moon the 19 day, 3 min. before 4 in the morning.
Last Quarter the 27 day, 20 min. past 6 in the morn.

1	☽	1 aft. Trin.	20	♊ 55	6	♉ 8		*Fair and pleas-*
2	f		21	52	20	10		*ant weather,*
3	g	Erasmus B.M.	22	49	4	♊ 39	☌☿☾	*all the*
4	a	Petrochius B.	23	46	19	30		*beginning of the*
5	b	Boniface B.	24	43	4	♋ 34	□♅☾	*month,*
6	c	Norbert. B.C.	25	40	19	30	□♄☾	*It to the*
7	d	Paulus	26	37	4	♌ 38	☌☌☾	10 *day,*
8	e	2 aft. Trin.	27	35	19	20		*then*
9	f	Felicianus M	28	32	3	♍ 42	□☿☾	
10	g	Margaret Q.	29	29	17	42	☌☉☿	*Rain and*
11	a	Basilides M.	0	26	1	♎ 29		*Mists rising.*
12	b	[illegible]	1	23	14	42		
13	c	Anthony C.	2	20	27	30	□☌☾	
14	d	Basilius	3	17	10	♏ 6		*Hot with some*
15	e	3 aft. Trin.	4	14	23	30		*Thunder.*
16	f	Richard	5	11	5	♐ 45	☌♄☾, ☌♅☾	
17	g	Entrolph. Ab.	6	9	17	52	☌☿☾	
18	a	Gervacius M.	7	5	29	53		
19	b	[illegible]	8	2	21	♑ 46	□♄☾, □♅☾	
20	c	Edward R. M.	8	59	23	37		
21	d	Walburg	9	56	5	♒ 25	☌☌☾ (□♃)	
22	e	4 aft. Trin.	10	53	17	17		*Fair and sea-*
23	f	Paulinus B.C.	11	50	29	13		*sonable although*
24	g	Amphibol M.	12	48	11	♓ 18	□☿☾	
25	a	[illegible]	13	45	3	36		*Hot weather.*
26	b	John and Paul	14	42	5	♈ 12	☌♅☾	
27	c	Levinus B.M.	16	39	18	11	☌♄☾	*Rain*
28	d	Leo P.	16	26	1	♉ 17		*cooling the*
29	e	St. Peter	17	33	14	32	□☌☾	*the Earth, af-*
30	f	Commem. Pa.	18	30	28	42		*ter the former heat.*

Time	D	♄		♅		♂		♀		☿		☾	at
	d.	d.	m.	d.	m.	d.	m.	d.	m.	d.	m.	d.	m.
	1	13	♈ 46	8	♎ 7	22	♋ 57	17	♋ 1	5	♊ 34	5	57
The	6	14	7	8	16	25	4	6	04	10	1	D	☌
Planets	11	14	25	8	29	29	12	14	7	8	13	3	27
places.	16	14	42	8	46	1	20	11	16	13	55	4	58
	21	14	54	9	3	5	♌ 9	8	9	21	27	1	14
	26	5	6	9	33	3	7	5	7	29	54	3	☍

☾	3	5	8	10		☾ 12 36
2	3	49	8	11	The 7 ✱ is with the Moon	2 1 4
3	3	49	8	11		3 2 12
4	3	49	8	11		4 3 0
5	3	49	8	11		5 3 48
6	3	49	8	11		6 4 36
7	3	48	8	12		7 5 24
♉	3	48	8	12	Dragons head ☊. at 12	♉ 6 12
9	3	41	8	12		9 7 0
10	3	48	8	12	Days length 12 houres	10 7 48
11	3	48	8	12	Longest day, 16 ho. 23 min.	11 8 36
12	3	48	8	12	On which day, the ☉ will be due East at	12 9 24
13	3	48	8	12	20 min. after 8. in the morn. and due	13 10 12
14	3	48	8	12	West at 40 min. past 3. afternoon, and	14 11 0
♊	3	59	8	11	riſes N E half a Point Eaſterly, and	♊ 11 48
16	3	59	8	11	ſets N. weſt half a point Weſterly.	16 12 36
17	3	59	8	11		17 1 24
18	3	50	8	10		♋ 8 2 12
19	3	50	8	10		19 3 0
20	3	51	8	9	The lower head of Gemini riſeth Coſmi-	20 48
21	3	51	8	9	cally.	21 3 36
♋	3	52	8	8		♌ 4 24
23	3	52	8	8		23 5 12
24	3	53	8	7	The foot of Gemini riſeth Coſmically	24 6 0
25	3	53	8	7		25 7 48
26	3	54	8	6		26 8 36
27	3	54	8	6		27 9 24
28	3	55	8	5		28 10 12
♌	3	56	8	4		♌ 11 0
30	3	56	8	4	Swans bill South at 12	30 11 48

☽ New Moon the 4 day, 9 min. past 2 in the morning.
☽ First Quarter the 10 day. 38 min. past 6 at night.
○ Full Moon the 18 day, at 7 at night.
☾ Last Quarter the 26 day, 42 min. past 3 afternoon.

1	g	Simwald B	19	♋	27	12	♊	56	Cloudy with Southe
2	a	Visit. Mary	20		24	27		45	☌☿☽ windes
3	b	Hyacinth. M	21		21	12	♋	52	□♄☾ □♅☾
4	c	Elizabeth	22		18	28		58	☍♅☾ (☌☿☾
5	d	Zoa V.	23		16	13	♌	19	☌☌☾
6	e	6 after Trin.	24		13	28		21	windy and some
7	f	Apollinaris	25		10	13	♍	☾	small rain
8	g	Grimbald Ab.	26		7	27		14	□☿☾
9	a	Edelburg Q	27		4	11	♎	3	☌♅☾ ☿ orie nt
10	b	7 Brethren M	28		1	24		25	☌♄☾ □☿☾
11	c	Pius P. M.	28		59	7	♍	25	wind
12	d	Nabor & Fœlix	29		56	20		5	□☌☾
13	e	7 after Trin.	0	♌	53	2	♐	32	warm and good hay
14	f	Bonaventure	1		50	14		45	harvest weather
15	g	Swithin B.W.	2		48	26		49	☌☿☾
16	a	Osmond B. S.	3		45	8	♑	47	□♅☾
17	b	Kenelm K. M.	4		42	20		40	□♄☾
18	c	Simphorosa M	5		39	2	♒	31	warm and
19	d	[illegible]	6		36	14		22	fair
20	e	8 after Trin.	7		34	26		14	☌☌☾ ☌☿☾
21	f	Proxeda V.	8		32	8	♓	12	great winds
22	g	Mary Magd.	9		29	20		15	rising suddenly
23	a	Apollinari B	10		26	2	♈	28	□☿☾ ☌♂☽
24	b	Christina	11		24	14		52	☌♄☾ ☌♅☽
25	c	[illegible]	12		21	27		32	hot with some
26	d	Anne	13		19	10	♉	31	hail and
27	e	9 aft. Trinit.	14		16	23		51	□☌☾ thunder
28	f	Nosar u M.	15		14	7	♊	25	□☿☾
29	g	Martha V	16		11	21		46	cloudy but
30	a	Arden M	17		9	6	♋	20	☌☽☿ hot weather
31	b	Ignatius	18		6	20		16	□♄☽ □♅☽

July.	D	♄		♅		♂		♀		☿		☾	Last
		d.	m.	d.	m.	d.	m.	d.	m.	d.	m.	D.	M
	1	15	♈ 17	10	♎ 2	12	♌ 44	2	♋ 40	9	♋ 48	4	♌ 48
	6	15	24	10	35	14	53	1	3	20	24	0	♏ 52
The	11	15	29	11	11	18	10	0	25	1	♌ 45		12
Planets	16	15	30	11	49	21	10	0	D 54	11	19	3	♐ 25
places	21	15	R 29	12	32	24	20	2	8	20	58	1	♌ 49
	26	15	26	13	16	27	30	4	8	29	54	5	14

1	3	58	8	2		1	12 36
2	3	58	8	2	*Orions Girdle rises Cosmically*	2	1 14
3	3	59	8	1		3	2 12
4	4	0	8	0	Day 16 hours long.	4	3 0
5	4	1	7	59	4 day) *The Scorpions Thigh, and*	5	3 51
6	4	2	7	58	*Vulters heart both S. at mida.*	6	4 42
7	4	3	7	57		7	5 33
8	4	5	7	55		8	6 24
9	4	6	7	54		9	7 15
10	4	7	7	53		10	8 8
11	4	9	7	51		11	9 57
12	4	10	7	50	☉ *Rises NE by E. Sets N W by W.*	12	9 48
13	4	11	7	49	*and is East 9 min. after 7 and*	13	10 39
14	4	12	7	48	*West 51 min. after 4.*	14	11 30
15	4	14	7	46		15	12 23
16	4	16	7	44	Day 15 hours and half long.	16	1 12
17	4	17	7	43	Day now and 1 hour.	17	2 5
18	4	18	7	42	18) *The Swans Tail, and the Dol-*	18	3 0
19	4	20	7	40	*phins Head both South at 12 at*	19	3 48
20	4	21	7	39	*midnight.*	20	4 36
21	4	23	7	38		21	5 24
22	4	24	7	36		22	6 12
23	4	25	7	35		23	7 0
24	4	27	7	33		24	7 48
25	4	28	7	32		25	8 36
26	4	30	7	30	D 15 hours long.	26	9 24
27	4	31	7	29		27	10 12
28	4	32	7	28	*The seven Stars is with the Moon.*	28	11 0
29	4	34	7	27		29	11 48
30	4	35	7	25	*The great Dog rises Cosmically.*	30	12 36
31	4	37	7	23		31	1 24

☽ New Moon the 2 day, 44 min. past 8 in the morn.
☽ First Quarter the 9 day, 24 min. past 7 in the morn.
○ Full Moon the 17 day, 21 min. past 10 in the morning.
☾ Last Quarter the 25 day, at 3 in the morning.
● New Moon the 31 day, a quarter past 5 in the afternoon.

1	L	Lammas day.	19	46	♌	25		Rain and di-
2	d	Stephen	20	1	21	37	☉	Reposed
3	e	10 Sun. af. Tri.	22	59	6 ♍	42	☌ ☌ ☾	vers co-
4	f	Dominick. C.	22	57	21	22	☌. ☿ ☾	lours
5	g	Festum novis	23	54	4 ♎	8		Clouds flying.
6	a	Sixtus	24	51	19	57	☌ ♄ ☾. ☌ ♅ ☾.	
7	b	Donatius B M	25	50	3 ♏	28	☌ ♄ ♅ (☿ ☾	
8	c	Julian	26	47	16	33		Fair weather
9	d	11 Sun. af. Tri	27	45	29	13		but often times
10	e	Gilbert B C	27	43	11 ♐	36	□ ☌ ☾	wind
11	f	Clare Virg.	28	41	23	43	□ ☿ ☾	with
12	g	Hypolitus M.	29	30	5 ♑	41	□ ♄ ☿	small
13	a	Eusebius C.	0	37	17	33	□ ♄ ☾. □ ♅ ☾.	
14	b	Assump Mary	1	35	29	23	☾ ♅ ☿ (☿ ☾	
15	c	Rochus	2	33	11 ♒	13		showers.
16	d	12 Sun. af. Tri.	3	31	23	6		
17	e	Helena Emp.	4	29	5 ♓	6		Diversity of
18	f	Sebaldus	5	27	17	13	☌ ☌ ☾	
19	g	Bernard Ab.	6	25	29	29	☌ ☿ ☾	weather
20	a	Richard	7	23	11 ♈	54	☌ ♄ ☾	son se-
21	b	Timothy	8	21	24	32	☌ ♅ ☾	veral
22	c	Donatus	9	19	7 ♉	24	□ ☿ ☾	dayes
23	d	Zacheus	10	17	20	24		together
24	e	13 Sun. af. Tri.	11	15	3 ♊	51		
25	f	Lewis K C.	12	14	17	29	□ ☌ ☾	
26	g	Zepherni	13	12	1 ♋	26		Rain.
27	a	Rufus	14	10	15	52	□ ♄. □ ♅ ☾. □	
28	b	Augustine B D	15	9	7	18	☌ ☿ ☾ (☿ ☾	
29	c	Decol John B	16	7	15	4		More rain and
30	d	Felix	17	6	24	55	☌ ☌ ☾	westerly
31	e	14 Sun. af. Tri.	18	4	14 ♍	54		wind.

August	D	♄		♃		♂		♀		☿		☾	Lat.
	d.	d.	m.	d.	m.	d.	m.	d.	m.	d.	m.	D.	M.
	1	15 ♈	18	14 ♎	13	1 ♍	10	7 ♋	22	9 ♍	48	1 D	9
The	6	15	9	15	3	4	28	1	37	17	20	4	41
Planets	11	14	58	15	56	7	39	14	19	24	13	4 A	22
places	16	14	44	16	50	10	51	18	22	0 ♎	22	0	27
	21	14	20	17	49	14	3	22	4	5	39	5 S	0
	26	14	1	18	44	17	15	27	18	9	30	3	52

1	4	40	7	18	*Pegasus Mouth South at* 12.	1	12
2	4	42	7			2	3
3	4	44	7	16		3	48
4	4	45	7	15	Days 14 hours and half long.	4	4
5	4	47	7	13		5	5
6	4	48	7	12	Days shortned 2 hours.	6	12
7	4	49	7	11	☉ *rises* E N E. *sets* W N W.	7	7
8	4	51	7	9		8	8
9	4	53	7	7		9	9
10	4	55	7	5		10	10
11	4	57	7	3		11	11
12	4	59	7	1		12	11
13	5	1	6	59	Day 14 hours long.	13	12
14	5	3	6	57		14	1
15	5	5	6	55		15	2
16	5	7	6	53		16	3
17	5	9	6	51		17	3
18	5	10	6	50		18	4
19	5	12	6	48	*The* ☉ *will be East* 32 *m. after* 6. *and*	19	5
20	5	14	6	46	*West* 28 *m. after* 5.	20	6
21	5	16	6	44		21	7
22	5	18	6	42	Day 13 hours and half long.	22	8
23	5	20	6	40	Day shortned 2 hours.	23	8
24	5	22	6	38	*Pegasus Shoulder South at* 12.	24	9
25	5	24	6	36	7 *Stars with the* ☾	25	10
26	5	26	6	34		26	11
27	5	28	6	32	☉ *rises* E *by* N. *sets West by* N.	27	12
28	5	30	6	30		28	12
29	5	32	6	28	Day 13 hours long.	29	1
30	5	34	6	26	*The* ☉ *East at* 16 *m. after* 6. *and West*	30	2
31	5	36	6	24	44 *m. after* 5.	31	3

☽ First Quarter the 7 day, a quarter after 11 at night.
○ Full Moon the 16 day, 42 min. past 1 in the morning.
☾ Last Quarter the 23 day, 22 min. past 10 before noon
● New Moon the 30 day, a quarter past 3 in the morn.

1	f	Egidius *Ab.*	19	♍	3	29	♍	41	*Cold air*
2	g	*Adama Ab.*	20		1	14	♎	7	☌♄☾ ☌♅☾
3	a	Lupus	21		0	28		13	□☿☾ (☌♀☾
4	b	Victorin B *M*	21		58	11	♏	51	*inclining to*
5	c	Bertinus	22		57	24		0	*frost*
6	d	Eugenius	23		56	7	♍	45	
7	e	15 Sun af. Tri.	24		54	20		6	□☌☾
8	f	Nat. *Mary*	25		53	2	♎	4	*thunder and*
9	g	Gorgonius *M*	26		52	14		1	□♄☾ □☿☾
10	a	Nicholas C	27		51	26		0	□♅☾ *dry*
11	b	Hyacinthus *M*	28		49	7	♏	45	☌☿☾ △♄☽
12	c	Eanfwyd Ab.	29		48	19		37	*westerly winds*
13	d	Amantus	0		47	1	♐	33	
14	e	Exaltat. Cruc.	1		46	13		40	*showery*
15	f	Nicomedes	2		45	25		58	☌☌☾
16	g	Euphemus	3		44	8	♑	30	☌♄☾ ☌♅☾
17	a	Lampertus	4		43	21		14	☌♎☿ (☌☿☾
18	b	Ember week	5		42	4	♒	14	*small rains*
19	c	Januarius B	6		42	17		24	□☿☾ ☌☌☿
20	d	Eustacius	7		41	☽	♓	47	*sudden winds*
21	e	☽ Matt. ew	8		40	14		18	*and showers*
22	f	Mauritius	9		39	28		2	□☿☾
23	g	Teclo V	10		38	11	♈	55	□♄☾ □☌☾
24	a	Winibald Ab	11		38	25		57	□♅☾ ☌☉♄
25	b	Ceolfride Ab.	12		37	10	♉	12	*cold air*
26	c	Iustina *M.*	13		37	24		35	☌☿☾ *and*
27	d	Cof. & Dam.	14		36	9	♊	4	*afterly Wind*
28	e	18 Sun af. Tri.	15		35	23		34	☌☿☾ *producing*
29	f	S. Mich. Arch.	16		35	8	♋	0	☌♄☾ ☌☌☾
30	g	Jerome P & D	17		34	22		15	☌♅☾ *rain.*

Sept mb.	D	♄ d.	♄ m.	♃ d.	♃ m.	♂ d.	♂ m.	d.	M.	☿ d.	☿ m.	☾ lat. D.	☾ lat. M.
The Planets places	1	13 ♈	47	19 ♎	55	21 ♍	7	3 ♌	5	12 ♎	42	3 ♏	29
	6	13	26	20	56	4	20	8	7	12	27	4	53
	11	13	4	21	58	27	35	13	17	9	25	0	57
	16	12	41	22	1	0 ♎	50	18	36	4	10	4 S	1
	21	12	17	24	5	4	6	24	2	29 ♍	13	4 D	30
	26	11	54	25	9	7	22	29	34	27 D	45	0	42

1	5	38	6	22		1	3	47
2	5	40	6	20		2	4	39
3	5	42	6	18		3	5	15
4	5	44	6	16		4	6	0
5	5	46	6	14	Day 12 hours and a half long.	5	6	45
6	5	48	6	12	Days shortened 4 hours.	6	7	30
●	5	50	6	10		●	8	15
	5	52	6	8		8	9	0
7	5	54	6	6		9	9	45
8	5	56	6	4	*Andromeda's Head, and Cassiopeas*	10	10	30
9	5	57	6	3	*Chair are S. at 12.*	11	11	15
10	5	59	6	1		12	12	0
11	6	0	6	0	Day 12 hours long *and the*	13	12	45
	6	2	5	58	*Sun rises due East, and sets due W.*	●	1	30
15	6	4	5	56		15	2	15
16	6	6	5	54		16	3	0
17	6	8	5	52		17	3	51
18	6	10	5	52		18	4	42
19	6	12	5	48		19	5	33
21	6	15	5	45	Day 11 hours and half long.	20	6	24
●	6	17	5	43		●	7	15
22	6	19	5	41	Days shortened 5 hours.	22	8	8
23	6	21	5	39		23	8	57
24	6	23	5	37		24	9	48
25	6	25	5	35		25	10	39
26	6	27	5	33	*7 Stars is with the Moon.*	26	11	30
27	6	29	5	31	*26) Andromeda Girdle South at 12.*	27	12	23
●	6	31	5	29	Day 1 hours long.	●	1	12
29	6	33	5	27		29	2	5
30	6	35	5	25	*Cassiopeas Knee South at 12.*	30	3	0

First Quarter the 7 day, 51 min. past 5 at night.
Full Moon the 15 day, 25 min. past 4 in the afternoon
Last Quarter the 22 day, 41 min. past 4 in the afternoon
New Moon the 29 day, at 4 in the afternoon.

1	g	Remigius B C	18	34	0	m	13		
2	h	Tho. B. Heref	19	34	19		48		stormy
3	c	Gerard Ab.	20	33	2	♐	59	☐ ☿ ☾	weather
4	d	Franciscus	21	33	15		47		
5	e	19 Sun. af. Tri.	22	33	28		12	Cold rain, and	
6	f	Bruno C.	23	32	10	♑	20	☐ ♄ ☾ ☐ ♂ ☾ (☐	
7	g	Mark P. M.	24	32	22		16	flying (☿ ☾	
8	a	Demetrius M.	25	32	4	♒	1	☐ ♃ ☾ clouds	
9	b	Dionisius M.	26	32	15		50	♂ ♄ ☿	
10	c	Paulinus B.Y.	27	32	27		41	Wind and Hail	
11	d	Nicasius	28	31	9	♓	37	☿ ♃	
12	e	20 Sun. af. Trin.	29	32	21		47	☌ ☌ ☾ ☌ ☾	
13	f	Trans. of Edw. R.	0	m 32	4	♈	15		
14	g	Calixtus P.M	1	32	87		2	☌ ♄ ☾	
15	a	Teresa V,	2	32	0	♉	5	☌ ♃ ☾ ☌ ☿ ☾	
16	b	Lull. s B.	3	32	12		28	Some shower	
17	c	Andrey V,	4	32	27		4	with Thunder.	
18	d	S. Luke Evan.	5	32	10	♊	51	and Lightning	
19	e	21 Su. af. Trin	6	32	24		46	☐ ☌ ☾	
20	f	Wendelin. Ab	7	33	8	♋	46	☐ ♄ ☾	
21	g	Ursula Virg.	8	33	22		48	☐ ☌ ☾ ☌ ♃ ☿	
22	a	Cordula V.M.	9	33	6	♌	50	☐ ♃ ☾ ☐ ☿ ☿	
23	b	Germanicus	10	34	50		53	Very fair and	
24	c	Magline B.	11	34	4	♍	57	reasonable wea-	
25	d	Gaudent	12	34	19		2	ther.	
26	e	22 Sun. af. Tri.	13	35	3	♎	5	☌ ☿ ☾	Vacertain
27	f	Evo. Conf.	14	35	17		4	☌ ♄ ☾	weather
28	g	S. Simo. Jude	15	35	0	m	55	☌ ♃ ☾ ☌ ☌ ☾	
29	a	Eadsin B	16	36	14		32	☌ ♄ ☾	
30	b	Agelnoth B.	17	37	27		53	☿ ♄ ☿	Cold rain
31	c	Foelan B. M	18	37	10	♐	56	if not Snow.	

☽ Faber	D	♄		♃		♂		♀		☿		☾	Lat
		d.	m.	d.	m.	d.	m.	d.	m.	d.	m.	d.	m.
	1	11 ♈	30	26 ♎	14	10 ♌	[illegible]	[illegible]		4 ♍	05	5	1
The	6	11	7	27	20	13	56	10	54	6	35	2	58
Planets	11	10	44	28	25	17	15	16	41	14	11	3 S	3
places	16	10	22	29	31	20	34	22	31	22	14	4	52
	21	10	2	0 ♏	30	23	54	28	25	0	38	1 D	58
	26	9	4	1	11	27	15	2 ♑		8	[illegible]	2	49

1	6	37	5	23								1	3	48
2	6	39	5	21								2	4	36
3	6	41	5	19								3	5	24
4	6	42	5	18								4	6	12
5	6	44	5	16	Day 10 hours and a half long.							5	7	0
6	6	46	5	14								6	7	48
7	6	48	5	12	Day morned 6 hours.							7	8	36
8	6	50	5	10								8	9	24
9	6	52	5	8	The Rams ho n South at 12							9	10	12
10	6	54	5	6								10	11	00
11	6	56	5	4								11	11	48
12	6	58	5	2	The Rams head South at 12							12	12	36
13	7	0	5	0	Day 10 hours long.							13	1	24
14	7	24	5	58								14	2	12
15	7	44	5	56								15	3	0
16	7	64	5	54								16	3	51
17	7	84	5	52	7 Stars is with the ☾							17	4	42
18	7	104	5	50								18	5	33
19	7	114	4	49	Sun Rises E S E. Sets W S W.							19	6	24
20	7	134	4	47								20	7	15
21	7	154	4	45	Day 9 hours and a half long.							21	8	8
22	7	174	4	43								22	8	57
23	7	194	4	41	Days morned 7 hours.							23	9	48
24	7	214	4	39								24	10	39
25	7	224	4	37	The Pleiades rise Achronically							25	11	30
26	7	244	4	36								26	11	23
27	7	264	4	34	Whales jaws, and Medusaes head are							27	12	12
28	7	284	4	32	both S. at 12.							28	1	5
29	7	304	4	30								29	2	0
30	7	324	4	29	Day 9 hours long.							30	33	45
31	7	334	4	27	Perseus Side S. at 12.							31	4	20

☽ Fiſt Quarter the 6 day, at 2 in the afternoon.
● Full Moon the 14 day, 6 min. paſt 6 in the morning.
☾ Laſt Quarter the 20 day, 40 min. paſt 11 at night.
● New Moon the 27 day, 37 min. paſt 10 at night.

1	d		19	38	23 ♐	41		Cold rain and ſnow
2	e	23 Sun. af. Tri.	20	39	6 ♑	4	□ ♄ ☾	or ſleet
3	f	Winifrid V M	21	39	18	12	□ ☿ ☾	
4	g	Agricola M	22	40	0 ♒	7	□ ♃ ☾	□ ♂ ☾
5	a	Malachy B	23	41	11	53	☌ ♃ ♂	☾ ☉ ☿
6	b	Severus B M	24	41	23	41	□ ☿ ☾	ſnow, rain
7	c	Waldebred B	25	42	5	29		wind, and turbulent
8	d	Claudius	26	43	17 ♓	27		weather all the firſt
9	e	24 Sun. af. Tri.	27	44	29	29		part of the month
10	f	Reſpicius M	28	45	12 ♈	10	♂ ♄ ☾	
11	g	Martin B C	29	45	25	3	♂ ☿ ☾	
12	a	Martin P M	0	46	8 ♉	19	♂ ♃ ☾	♂, ♂ ☾
13	b	Kibon B.	1	47	21	54		more milde and
14	c	Laurance B.	2	48	5	57	♂ ☿ ☾	temperate
15	d	Eugenius	3	49	20 ♊	12		
16	e	25 Sun. af Tri.	4	50	4	34	□ ♄ ☾	.
17	f	Thaumatu gB	5	51	19 ♋	1		ſ eſt
18	g	Gelaſius	6	52	3	24	□ ♃ ☾	
19	a	Kl. Chan. I. nat	7	53	17 ♌	41	□ ☿ ☾	
20	b	Edmond R M	8	54	1	50		ſnow
21	c	Preſent Mary	9	55	15 ♍	48	□ ♂ ☾	□ ☿ ☾
22	d	Cæcely	10	56	29	41		windy and fair
23	e	26 Sun. af. Tri.	11	57	13 ♎	2	♂ ♄ ☾	♂ ♃ ☿
24	f	Chryſogom. M	12	59	26	56		e ſtint and
25	g	Katherine V M	13	40	10 ♏	1	☌ ♃ ☾	♂ ☿ ☽
26	a	Conradus	15	1	23	32	☌ ♂ ☽	warm
27	b	Oda Virg.	16	2	6 ♐	33		weather concludes
28	c	Temporis	17	3	19	17		this moneth
29	d	Saturnine	18	5	1 ♑	47	♂ ☿ ☽	
30	e	Advent S.	19	6	14	5	S. Andrew Apoſt.	

Novem.	D	♄ d.	m.	♃ d.	m.	♂ d.	m.	♀ d.	m.	☿ d.	m.	D	lat. D.	m.
The Planets places	1	9	♈ 14	2	♏ 49	1	♏ 17	11	♎ 55	18	♏ 43	3	A	51
	6	9	10	4	3	4	38	17	38	26	29	0	S	52
	11	8	59	5	6	8	2	23	43	4	♐ 20	5	D	2
	16	8	50	6	8	11	27	29	45	12	7	1		58
	21	8	43	7	9	14	52	5	♏ 58	19	52	2	M	54
	26	8	39	8	9	18	17	12	7	27	39	4	A	59

1	7	35	4	25	On the fifth day of this moneth in	1	55	4
●	7	36	4	24	the morning before Sun rising	●	6	0
3	7	37	4	23	wil be an ecliptical conjunction of	3	6	45
4	7	39	4	21	♃ & ♂ worth the observing.	4	7	38
5	7	41	4	19	The great Dog sets cosmically	5	8	15
6	7	42	4	18		6	9	0
7	7	44	4	16	Perseus Foot is South at 12.	7	9	49
8	7	45	4	15	Day 8 hours and a half long	8	10	30
●	7	47	4	13		●	11	13
10	7	48	4	12	Days [illegible] 8 hours	10	12	12
11	7	49	4	11	☉ Rises SE by E, & Sets S W by W	11	12	45
12	7	51	4	9	The seven stars sets Cosmically,	12	1	30
13	7	53	4		The Buls eye sets Cosmically.	13	2	16
16	7	54	4	7	The seven stars is with the Moon.	14	3	0
15	7	55	4	5		15	3	48
●	7	56	4	4		●	4	36
17	7	58	4	2		17	5	24
18	7	59	4	1	The Bulls Eye S. at 12	18	6	12
19	8	0	3	0	Day 8 [illegible] long	19	7	0
20	8	1	3	59		20	7	48
21	8	2	3	58	The Buls eye Rises Achronically.	21	8	36
22	8	3	3	57		22	9	24
●	8	4	3	56		●	10	12
24	8	5	3	55		24	11	0
25	8	6	3	54	The Goat S. at 12	25	11	48
26	8	7	3	53		26	12	36
27	8	8	3	52	Orions foot S. at 12	27	1	24
28	8	9	3	51		28	2	12
29	8	9	3	51	Orions shoul S. at 12	29	3	0
●	8	10	3	50		●	3	51

☾ First Quart. the 6 day, half an hour past 10 before noon
● Full Moon the 13 day, 19 min. after 6 at night
☾ Last Quarter the 20 day, at 9 in the morning
○ New Moon the 27 day, a quarter past 9 at night.

1	f	Daniel B.	20	♐ 7	26	♍ 10		
2	g	Bibiana V. M.	21	8	8	♎ 5	□ ♄ ☾ *Turbulent*	
3	a	Luciu R. B.	22	9	19	53	□ ♂ ☾. □ ♀ ☾ (□	
4	b	Barbara V. M.	23	11	1	♓ 41	*Aire*	(♄
5	c	Sabbas Abbat	24	12	13	81	□ ☿ ☾	
6	d	Nicholaus	25	13	25	27		
7	e	☉ Sun in Adv.	26	14	7	♈ 38	♂ ♄ ☾. ♂ ♂ ♀	
8	f	Concept. M.	27	16	20	6	*Cold rains and*	
9	g	Leocadia V. M	28	17	1	♉ 57	*inclining to*	
10	a	Malchiades P.	29	18	16	14	♂ ♅ ☾ *snow*	
11	b	Damascus P. C	30	20	29	59	♂ ♂ ☾. ♂ ♀ ☾	
12	c	Elfeda V.	31	21	14	♊ 8	*fleet.*	
13	d	Lucia Virg.	1	22	28	39	*Cold nor th wind*	
14	e	☉ Sun. in ♑ dy.	3	23	12	♋ 27	□ ♄ ☾ *and*	
15	f	Hilda Abbet	4	25	8	20	□ ♅ ☾. ♂ ☿ ☾	
16	g	Lazarus	5	25	2	♌ 10	*variable weather*	
17	a	O Sapientia	6	27	27	50	□ ♂ ☾ *to the*	
18	b	Ember week	7	29	17	♍ 18	□ ♀ ☾ 18 *day*	
19	c	Nemethius M.	8	30	26	29	□ ☉ ♄ *snow*	
20	d	Julian	9	31	10	♎ 20	♂ ♄ ☾ *or rain*	
21	e	S. Thom. Ap.	10	33	23	21	□ ♀ ☾ *with*	
22	f	Theodosia M	11	34	7	♏ 4	*Eafterly winds*	
23	g	Victor Virg.	12	35	20	18	♂ ♅ ☾ *Fair*	
24	a	Adam & Eve	13	37	3	♐ 10	♂ ♂ ☾ *The wind*	
25	b	Christ Nativ.	14	38	15	45	♂ ♀ ☾ *now turns*	
26	c	St. Stephen	15	39	28	11	*to the westerly*	
27	d	St. John Evg.	16	41	0	♑ 27	□ ♄ ☾	
28	e	Innocents	17	32	22	34	♂ ☿ ☾ *but*	
29	f	Tho. B. Cant.	18	43	4	♒ 22	*fair weather*	
30	g	Eustrace Ab.	19	44	16	25	□ ♅ ☾ *small*	
31	a	Silvester	20	46	28	14	♂ ☉ ☾ *rain,*	

Decem.	D	♄	m.	♃	m.	♂	m.	♀	m.	☿	m.	☾	lat.
				d.		d.		d.		d.		d.	M.
	1	8 ♈	38	9 ♍	7	21 ♏	44	18 ♏	18	5 ♍	14	1 A	18
The	6	8 D	39	10	3	25	11	24	29	12	4	3	42
Planets	11	8	44	10	57	28	40	0 ♐	42	19	32	4 D	53
places	16	8	51	11	49	2 ♐	10	6	57	25	6	5 M	21
	21	9	1	12	39	5	39	13	8	28	9	0 d	4
	26	9	13	13	26	9	9	9	21	26 R	13	3	30

1	8	10	3	50	First in Orions Girdle South at 12	1	4	43
2	8	11	3	49		2	5	33
3	8	11	3	49		3	6	34
4	8	11	3	49		4	7	15
5	8	12	3	48	Wagoners Shoulder S. 12	5	8	57
6	8	12	3	48	Orions right Shoulder S. 12	6		48
7	8	12	3	48		7	9	39
8	8	12	3	48		8	10	30
9	8	12	3	48		9	11	23
10	8	12	3	48	Days shortned 9 hour 9	10	12	13
11	8	12	3	48	shortest day 9 ho. 36 m.	11	1	5
12	8	12	3	48	The) ☉ rises S.E. half a Point Ea-	12	2	0
13	8	12	3	48	sterly, and sets S. W. half a Point	13	3	51
14	8	12	3	48	westerly.	14	4	42
15	8	12	3	48		15	5	33
16	8	12	3	48		16	6	24
17	8	12	3	48		17	7	15
18	8	11	3	49		18	8	8
19	8	11	3	49		19	9	57
20	8	10	3	50	The lower head of Gemini riseth Acro-	20	9	48
21	8	9	3	51	cronically	21	10	39
22	8	9	3	51		22	11	30
23	8	8	3	52		23	12	23
24	8	8	3	52	The foot of Gemini riseth Acronically.	24	1	12
25	8	8	3	52		25	2	5
26	8	7	3	52		26	3	1
27	8	6	3	54		27	4	48
28	8	5	3	55	Castor South at 12	28	4	3[illegible]
29	8	4	3	56		29	5	2[illegible]
30	8	3	3	57	Little Dog South at 12	30	6	2
31	8	2	3	58	Pollux South at 12	31		

The Anatomy of Mans body, as the parts thereof are governed by the 12 Cœlestial Signs of the Zodiack.

Head and Face

Neck and Throat
Breast
Stomach and Ribs
Bowels & Belly
Secrets
Members
Knees
Feet

Arms Shoulders
Heart
Back
Reins & Loyns
Thighs
Legs

The Characters of the Planets.

♄ Saturn. ♃ Jupiter. ♂ Mars. ☉ Sol.
♀ Venus. ☿ Mercury. ☾ Luna.

The Characters of the Aspects.

☌ Conjunction. ☍ Opposition. □ Quartile.
△ Trine. ⚹ Sextile.

If you would count the Planets soon,
Remember S I M, S U M, and the Moon.

BOWKER 1673.

The face of the Year un-masked: or, the preceding *KALENDER* explained.

IN every *Moneth* of the foregoing *Kalender* are 12 *Rows* or *Columbs*, each containing as followeth, *viz.*

1. In the firſt, is the *dayes of the moneth* ſucceſſively from one to 30 or 31 dayes.

2. In the ſecond, is the *dayes of the week*, E being *Dominical*, or *Sunday Letter*.

3. In the third, are the *Feaſts* and *Terms* both *fixed* and *moveable*, with the names of ſeveral *Saints* and *Martyrs*.

4. In the fourth, is the *place of the Sun* in the *Zodiack* every day at noon.

5. In the fifth, is the *Moons place* in the *Zodiack*, commonly called the *Sign* that the Moon is in.

6. In the ſixth, is the *Aſpects* of the *Planets*, with the *Moon*, and alſo among themſelves, with the natural *inclination* and *change* of the *air*.

Theſe Columbs are on the left hand. On the right hand are

7. The *dayes of the moneth* again repeated.

8. In the eight, is the *hour* and minute of the *Suns riſing* at *London*.

9. In the ninth, is the time of its *ſetting*.

10. In the tenth, is the *length of the day*, with the *increase* and *decrease* of the same, whereby the vulgar error of an hour in 3 weeks lengthning, is confuted. Also in this Column is expressed how far (or at what distance) the Sun *rises* and *sets*, from the true *East* or *West* points of the *Heavens*; namely, upon what *point of the Mariners compass* it so *riseth* or *sets*, confuting also that vulgar error, that the Sun *rises* due *East*, and *sets* due *West*; whereas it only doth so two dayes in the year, *viz.* on the 10 or 11 of *March*, and the 12 or 13 of *September*. In this Column also are other things of good note.

11. The dayes of the moneth are again repeated.

12. In the twelfth, is the hour and minute of *high water at London* At the head of the left page is the *Change*, *Full*, and *Quarters* of the *Moon*. And at the head of the right page is the *places of the Planets*, and the *Moons latitude* for every sixth day in the year.

Of the Ecclipses this Year.

THe glorious Lamp of Heaven, the *Sun* by the interposition of the Opacons Body of the *Moon*, between the *Earth*, and him; will suffer two *Eclipses*, neither of which will be visible in this our Horrizon of *London*, and therefore I shall say little concerning them. For, *Eclipses luminarum maxime agunt in illas Regiones quæ sunt subsigno Ecliptico*. The effects of Ecclipses are felt most to those

those People that are subject to the ecclipsed sign. Of the effects of the first Eclipse, *Hamborough* may feel the smart, and of the effects of the second, *Rome* and *Bayne* in *Bohemia*: *London* will be little concern'd in either, for, *Nil nocet Eclipsis illis Regionibus in quibus non videtur*. Those Ecclipses do no hurt to those People to whom they are not visible, and seeing that to us they will not be visible, I shall only give you the times when they happen, and so conclude.

The first Ecclipse happens upon the sixth of *February*, at the time of the new Moon, and cannot be seen of us, for that at that time both the Luminaries will be under our Horrizon.

The second will be upon Saturday the second of *August*, at the time of the then new Moon, and although the Sun be then above our Horrizon, yet it will very hardly be seen in respect of the Moons Latitude and Paralax.

Of the Quatuor Anni Cardines, *or*, *Four Seasons or Quarters of the Year.*

Of the Spring.

THis Quarter is never unwelcome, nor unwished for, the weather begins to appear like a kind hearted cherisher; and the Sun ascending, dispenseth superfluous humours, stirs up the blood in mens bodies, and the Sap in herbs and Trees, it cloatheth the Earth with a sweet green Livery, and decorates the Plants with bowes and beautious branches, the Birds beginning then to

tune their ſurged throats, to the raviſhment of Mortals with their melodious Airs. The pretty Lambs are now at play, whiles the Sheepherd ſits pipeing upon a hill.

This Quarter takes it beginning on Midlent Sunday, being the 9th of *March*, at 12 min. after 10. of the Clock at night, at which time the Sun approacheth to, and enters the firſt ſcruple of the Vernal Equinoctial Sign Aries, beginning then to take his journy towards the Artick Pole, makeing now the dayes and nights of equal length through the whole World. The Sun at this time riſeth due Eaſt, and ſets due Weſt, his Meridian Altitude being equal to the complement of the latitude, *viz.* 38 deg. 30. min. he hath now no declination, and is therefore equidiſtant from either Pole, he moveth now in a great Circle, and his diurnal journy is juſt 12 h. this quarter continues till he hath paſſed through the three ſigns Aries, Taurus, and Gemini, and contains part of the month of March, all April, May, and part of June.

March, *Martius*, is ſo called a *Marte* of *Mars*, the God of battail, to whom this month was dedicated by the antient *Romans*, the *Saxons* called it *Lenct-Monat*, that is, *length-month*, becauſe this month the dayes began to exceed the nights in length; and hence alſo cometh the name of *Lent*, becauſe the moſt part of that *Feaſt*, falleth in this month moſt commonly.

April is ſo called *ab aperiendo*, of opening, becauſe in this month all things are opened in the flowe,

flower; so *Ovid*, *Aprilem memorant ab apto tempore dictu.* The axons called it *Oster-monat*, of the Easterly winds which more usually blow this Month; and hence the Feast of *Easter* seemeth to take its name, it being for the most part kept in this Month.

May, *Maja*, is so called of the Goddess *Maja*, (the Mother of *Mercury*) to whom the Heathens used to sacrafice in this Month.

Of Summer.

The Summer, called in Latine *Æstas*, derived of *Æstis* from the exceeding heat; so also doth the English word Summer express it, it being a German word. and in that Tongue signifieth *Sun-moth*, that is, *plus Solis*, or more Sun then at other times. This quarter may well be called the Mother of Plenty, and Daughter of Bounty, bareing her lapfull of every kind of Grain, ready to bestow to the inrichment of the wearied labourer, and for the feeding of each hungry Soul.

This quarter taketh beginning upon Munday the 9th. day of *June*, at 9 after midnight, at which time the Sun having made his furthermost Northern journey towards the Pole Artick, he being now declined from the Equinoctial 23 deg. 30 min. making the longest dayes to all Northern, and shortest dayes to all Southern inhabitants; namely, he maketh the longest day with us at *London* 16 hours and 24 min. and our Night 7 hours, 36 min. his amplitude now being 40 degrees from the *East* or *West*, North-ward, so that he riseth *North-east*, half a point *Easterly*, and sets *North-west*, half a point *Westerly*. He will be just upon the *East-point* at 20 min. after 8 of the clock in the Morning, and upon the *West-point* at 40 m. after 4 in the after-noon: (His Meridian Altitude is now 62 degrees, and his depression at Mid-night only 15 deg. So that we have no proper night at this time, but Twylight only, nor never have any part till the Sun be de-

preſſed 18 deg. below the Horizon, and that ſhe never is (in this our Horizon of *London*) between the 12 of *May*, and about the 12 of *July*, all which time we may conclude it to be continual day, having ſome hours of Twy-light intervening. This quarter continues till the Sun hath paſt through *Cancer*, *Leo* and *Virgo* and contains part of the Month of *June*, all *July*, *Auguſt*, and part of *September*.

June, *Junius*, takes the name of *Junius Brutus*, the Author of the Romans liberty, who was made Conſul this Month. The *Saxons* called this Month *Weyd-monat*, of *Weyden* to feed, becauſe in this Month they uſed to turn their Cattel to graze in the fields.

July, *Julius*, ſo called of *Julius Cæſar*, who was born in this Month it being before called *Quintilis*, being the fifth Month from *March*. The *Saxons* called it *Hey-monat*, of their Hey-harveſt being in this Month.

Auguſt, *Auguſtus*, from *Auguſtus Cæſar*, who began his Conſul-ſhip in this Month, and put a Period to the Civil Wars. It was before called *Sextilis*, as the ſixth Month from *March*. The *Saxons* called it *Arn-monat*, which ſignifieth Harveſt Month.

Of Autumn.

This Quarter bringeth that to perfection, which the Spring and Summer began; for now the Barns are full, the Preſſes and Fats over-flow with abundance of Wine and Oyl, and men do now eat the fruit of their paſt labour, and joy in the ſurpaſſing plenty, which the Earth hath brought them forth. It taketh its Name from *Autumnus*, which ſignifyeth to make ripe.

This quarter begins on Saturday, the 13 of *September*, at 5 m. after 7. in the morning. the Sun then being returned from his Northern journy, and is arrived to the firſt minute of the Autumnal Æquinoctial Sign *Libra*, and is going now Southward towards the Antartick-pole.

The

The dayes and nights are now of an equal length, and the Sun rises due *East*, and sets due *West*; he hath now neither declination nor amplitude, but is the same as in the Spring. This quarter continues till the Sun hath passed *Libra*, *Scorpio* and *Sagittarius*, and contains part of *September*, all *October*, *November* and part of *December*.

September, so called, as being the seventh Month from *March*. The *Saxons* called this month *Gerst-monat*, that is, Barley-month, from their Barley-harvest this Month.

October, so called, as being the eighth Month from *March*. The *Saxons* called it *Win-monat*, that is Wine Month, because this Month they had Wines brought them from other Countries.

November, so called, as being nine Months from *March*. The *Saxons* called it *Wint-monat*, that is, Wind-Month, because of the blustering windes which usually rise in this Month.

Of Winter.

This season in Latine is called *Hyems* and seems to be derived from the Greek word ὑειν, signifying to rain; and in the Hebrew *Coreph*, which signifyeth to reproach or disgrace, because when Winter cometh, the Earth is (as it were) disgraced and disposed to reproach; it being spoyled of all its pleasant Greenness, Splendour, and Beauty.

This season taketh beginning upon Thursday the 11th of *December*, at 20 min. after 4 of the clock in the morning, the Sun then entering into the first scruple of the Southern Tropical Sign *Capricorn*, the Sun having now made his farthest Southerly journy towards the Antartick Pole making the shortest dayes and longest nights, having 23 deg. 32 m. of South declination, but 15 deg. of Meridian Altitude; his Amplitude of rising, being South-east, half a point Easterly, and setting South-west, half a point Westerly. This quarter continues till the Sun

hath made his progress through the signs *Capricorn*, *Aquarius* and *Pisces*, and contains part of *December*, all *January*, *February*, and part of *April*.

December, so called as being the 10th from *March*. The *Saxons* called it at first *Winter-monat*, that is, Winter-month; but after they had received the Christian faith, they called it *Heligk-monet*, or, Holy-month; the holy feast of *Christmas*, being solemnized in that Month.

January, taketh its name from *Janus*, an antient King of *Italy*, who for his wisdom and providence was pictured with two faces; the one looking backward to the old year, and the other forward to the year to come. Others say it takes its name of *Janna* a Gate, it being the Gate or entrance into the year. The *Saxons* called it *Wolf-monat*, that is, Woolf-month: because they were then in danger to be devoured by Wolves.

February, takes it name *a Februis expiatoriis* from certain expiatory sacrifyces, which the Romans in this month offered to their God *Febius*. The *Saxons* called this month *Sprout Kele*, because of the Cole-wort (which they called *Kete*) in this month yeilded young sprouts for their nourishment.

Thus doth bright Sol, *by certain circuiting,*
Make Winter, Autumn, Summer, *and the* Spring.

A

A Table for the Purchase of Leases of Land, or Houses, ready cast up at 5l. 6l. 8l. and 10l. Per Cent. Compound interest.

The Number of Years to be Purchased	At V Per Cent. Years Mon	At VI Per Cent. Years Mon	At 8 per Cent. Years Mon	At X Per Cent. Years Mon
	The Value of the Purchase in	The Value of the Purchase in	The Value of the Purchase	The Value of the Purchase in
1	0 11	0 11	0 11	0 11
2	1 10	1 10	1 9	1 5
3	2 9	2 8	2 7	2 6
4	3 7	3 6	3 4	3 2
5	4 4	4 3	4 0	3 9
6	5 1	4 11	4 7	4 4
7	5 9	5 7	5 2	4 11
8	6 6	6 2	5 9	5 4
9	7 1	6 10	6 4	5 9
10	7 9	7 4	6 7	6 2
11	8 4	7 11	7 2	6 6
13	9 5	8 10	7 11	7 1
15	10 5	9 9	8 9	7 8
17	11 3	10 1	9 6	8 0
19	12 1	11 1	10 2	8 4
21	12 10	11 2	10 9	8 8
23	13 6	12 2	11 4	9 1
25	14 1	13 2	11 9	9 3
27	14 2	13 3	12 3	9 4
29	15 2	13 7	12 7	9 6
31	15 7	13 11	12 11	9 9
41	17 1	15 1	13 11	9 10
51	18 3	15 9	14 9	9 11
61	18 11	15 11	15 2	10 0
71	19 4	16 0	15 5	10 0
81	19 7	16 1	15 6	10 0
91	19 9	16 1	15 7	10 0
Fee.	20 0	16 2	15 8	10 0

The Uſe of the foregoing Table, for the Purchaſe of Leaſes, &c.

THe Table conſiſts of five Columns, The firſt contains any number of years that are to be purchaſed, from 1 year to a 100.

The ſecond tells you how many years and odds Months purchaſe ſuch a Leaſe is worth in ready Money, 5lb. *per Cent*, being allowed for the intereſt of the Money laid out.

The third Columns ſhews, what the ſame is worth at 6lb. *per Cent*. The fourth at 8lb. *per Cent*. And the laſt at 10lb. *per Cent*.

Example, What is a Leaſe of 51 years to come, worth in ready Money, at 5lb. *per Cent*. Alſo,

Look in the firſt Column for 51 years, and right againſt it under V *per cent*, you ſhall find 18. 3. which ſhews the Leaſe is worth 8 years purchaſe, and 3 moneths, which is a quarter of a year. So that if the Rent were 10 *l*. a year, then 18 times 10 *l*. is 180 *l*. and the quarter of the year is 2 *l*. 10 *s*. in all 182 *l*. 10 *s*. and ſo much is the Leaſe worth in ready Money at 5 *per cent*.---- But if the Purchaſer would have 6 *l*. 8 *l*. or 10 *l*. profit for his Money, then

At	*Profit for his money the leaſe is worth*	*year Mon*	*Purchaſe which comes to but*	*l. s. d.*
6		15——9		157-10---0
8		12——3		122-10---0
10		9——11		99---3—

And thus you may do for any other number of Years.

So, a Leaſe for 21 years at	*per cent. is worth*	*l.*	*Years.*	*Months.*	
		5	12	10	*Purchaſe*
		6	11	9	
		8	10	0	
		10	8	11	

let the Rent be what it will

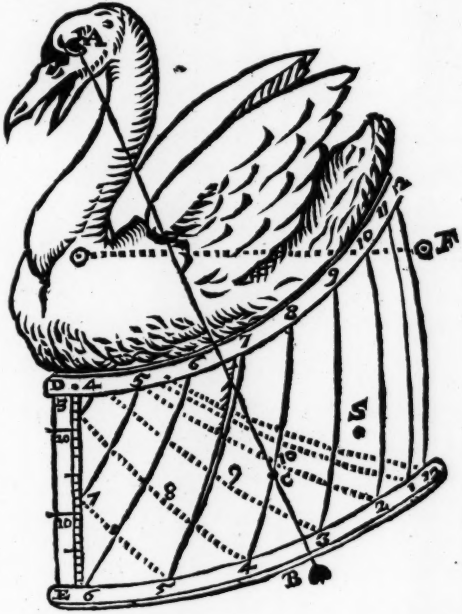
A Table shewing what Declination the Sun shall have every day at Noon, for the first six Months of this Year 1673.

Days	January		Febru.		March.		April		May		June	
	D	M.	D	M	D.	M	D.	M.	D	M.	D	M
1	21	43	13	44	3	20	8	39	18	8	23	11
2	21	33	13	24	2	57	9	1	18	23	23	16
3	21	22	13	3	2	33	9	23	18	37	23	19
4	21	11	12	43	2	9	9	44	18	52	23	2
5	21	0	13	22	1	46	10	6	19	6	23	25
6	20	48	12	1	1	22	10	23	19	19	23	27
7	20	36	11	40	0	59	10	48	19	33	23	28
8	20	24	11	19	0	35	11	9	19	48	23	29
9	20	11	10	57	0	11	11	30	19	59	23	30
10	19	58	10	36	0	13	11	50	20	11	23	31
11	19	44	10	14	0	37	12	10	20	24	23	31
12	19	30	9	52	1	9	12	30	20	36	23	31
13	19	16	9	31	1	24	12	50	20	47	23	30
14	19	1	9	7	1	47	13	10	20	57	23	29
15	18	46	8	45	2	11	13	29	21	9	23	27
16	18	31	8	22	2	35	13	48	21	19	23	25
17	18	15	8	0	2	58	14	7	21	29	23	23
18	17	59	7	37	3	21	14	26	21	38	23	20
19	17	48	7	14	3	45	14	45	21	47	23	17
20	17	26	6	51	4	8	15	3	21	56	23	13
21	17	9	6	28	4	31	15	21	22	5	23	9
22	16	51	6	4	4	54	15	39	22	13	23	4
23	16	34	5	41	5	17	15	56	22	21	23	0
24	16	16	5	18	5	40	16	14	22	28	22	55
25	15	58	4	55	6	3	16	31	22	35	22	49
26	15	40	4	31	6	25	16	47	22	41	22	43
27	15	21	4	8	6	48	17	5	22	47	22	36
28	15	2	3	45	7	11	17	21	22	53	22	29
29	14	42			7	34	17	37	2	58	22	22
30	14	22			7	56	17	52	23	3	22	14
31	14	4			8	16			23	8		

A Table shewing what Declination the Sun shall have every day at Noon, for the last six Months of this Year, 1673.

Days	July		August		S. ptemb		Octob.r		Novemb		Decemb.	
	D.	M.	D.	M.	D.	M.	D.	M.	D.	M	D.	M.
1	22	6	15	10	4	22	7	17	17	4	11	23	9
2	21	58	14	5	13	59	7	40	17	58	25		
3	21	49	14	34	3	35	8	2	18	14	23	13	
4	21	40	14	15	3	12	8	25	18	30	23	20	
5	21	31	13	56	2	49	8	47	18	45	23	23	
6	21	21	13	37	2	25	9	9	19	0	23	26	
7	21	11	13	18	2	3	9	32	19	14	23	28	
8	21	0	12	59	1	39	9	54	19	29	23	29	
9	20	49	12	39	1	16	10	16	19	43	23	30	
10	20	37	12	19	0	52	10	37	19	56	23	31	
11	20	26	11	59	0	29	10	59	20	10	23	31	
12	20	14	11	38	0	5	11	20	20	23	23	31	
13	20	2	11	18	0	18	11	41	20	35	23	30	
14	19	49	10	57	0	42	12	2	20	47	23	29	
15	19	36	10	36	1	5	12	23	20	59	23	27	
16	19	23	10	15	1	29	12	44	21	10	23	25	
17	19	10	9	54	1	52	13	4	21	21	23	21	
18	18	56	9	33	2	16	13	24	21	31	23	19	
19	18	48	9	12	2	40	13	44	21	41	23	15	
20	18	27	8	50	3	3	14	4	21	51	23	10	
21	18	12	8	29	3	27	14	24	22	0	23	6	
22	17	57	8	7	3	50	14	43	22	9	23	1	
23	17	41	7	45	4	13	15	2	22	18	22	55	
24	17	25	7	23	4	36	15	21	22	26	22	49	
25	17	9	7	0	4	59	15	40	22	34	22	43	
26	16	53	6	38	5	23	15	58	22	41	22	36	
27	16	37	6	15	5	46	16	16	22	48	22	28	
28	16	20	5	53	6	23	16	33	22	54	22	20	
29	16	3	5	30	6	9	16	51	22	59	22	12	
30	15	45	5	8	6	32	17	8	23	4	22	4	
31	15	27	4	45	6	55	17	25			21	55	

The Deſcription and Uſe of a ſmall portable Inſtru-ment, *for the exact and ready finding of the* hour *of the* Day *any time of the* Year.



IN the Centre of the Inſtrument as at A. there is a fine ſilk *String* faſtned, having at the other end thereof a ſmall *Plummet* of braſs or lead, noted with *B.* and upon the ſame *ſtring* muſt be a ſmall *Bead* or *Pins-head*, as is ſignifyed by *C.* which bead muſt be to ſlip up and down the ſtring at pleaſure — by the ſide of the Inſtrument, toward the left hand, there is a ſhort line numbred by 5. 10. 15. 20. 23½. repreſenting the 23 degrees and a half of the

Suns

Suns declination, and this line is noted with the Letters D. E. — at the Bottome, and also about the middle of the instrument, are made two *Margins*, in the uppermost is set the figures, 4 . 5 . 6 7 . 8 . 9 10 . 11 . 12 . and in the undermost Margine these figures, 5 . 4 . 3 . 2 . 1 . 12 Which figures are the numbers of the hours of the Day, and the slope lines drawn from figure to figure, are the hour lines belonging to those numbers, as the slope-line noted at each end with 12 is the hour line of 12. the next slope line noted with 11 in the upper margine, and with 1 in the lower margine, is the hour line of 11 and 1. signifying 11 a clock in the fore noon, and 1 a clock in the afternoon. So the next line noted with 10 and 2, represents the hours of 10 in the forenoon, and of 2 in the afternoon: these slope lines bend like a bow from the right hand towards the left, and are drawn with a full line thus, —— and these are called (for distinction) the *Summer hour lines*, and are in use from the 10 of of *March*. till the 12 of *Sept.* The other lines which bend like a Bow from the left hand towards the right, are described by pricked lines thus, ... and figured at each end thereof, as the other hour-lines were, and these are called the *Winter hour lines*, and are in use from the 12 of *Septem.* till the 10 of *March*, at the Point ⊙ is made a small hole into which you are to stick a small pin, when you would know the hour.

The manner how to use the Instrument.

When you would know the hour of the day by the Instrument, lay the third upon the line of declination noted with D.E. and knowing what declination the ⊙ hath by the former Table, move the Bead which is upon the thred unto that degree of declination which the Sun hath, and so is the Bead fitted for all that day. The Bead being thus rectifyed, and a pin being put in the little hole at ⊙, hold the Instrument in both your hands, turning your left side to the *Sun*, and move the instrument up and down, till the pin which is in ⊙, do cast its shaddow upon the point F. the string playing easily by the plain of the Instrument, and where the Bead resteth, that shews the hour of the day.

Now suppose that upon the 5 day of *April*, when the Sun hath

hath about 10 deg. of Declination, having brought the Bead to that place, and set a Pin in the hole at ⊙, and held the Instrument up till the Shaddow of the Pin fell up on the Point at F. you should find the Bead to rest at the point G. which is just upon the hour-line which is noted with 8 and 4, the Bead then tells you, that it is either 8 of the clock in the forenoon, or 4 of the Clock in the afternoon; and which of those hours it is, is easie to distinguish. In like manner, if it should fall upon the line noted with 10 and 2. it is either 10 in the fore noon, or 2 in the after-noon Again, if the Bead should rest at 3, it were then either half an hour after 9 in the forenoon, or half an hour after 2 in the afternoon. The use is very easie; But, *Usus optimus Magister.*

Concerning the making of a Nocturnal, and finding of the hour of the Night by the Stars.

For this purpose I inserted in my last years Kalender a Table of the right ascention of the Sun, and of some eminent fixed Stars, and shewed the use thereof, how by the rising, setting, and calminating of those stars, to find the hours of the night Now if a Circle be divided into 12 months, and those 12 months put on the Circle answerable to the right ascention to each day, and any Stars (as many as you please) having a competent difference of ascention from each other, be set orderly within the former Circle of months, and another Circle divided into 24 equal parts or hours, and those hours subdivided into as many parts as quantity will permit, which Circle of twenty four hours must move upon the former Circle of Moneths, and a thred (or Index rather) to move upon them both, then I say such a Nocturnal will be of good use, either at Sea or Land, for by it (besides other things here omitted) these principal Problems must be performed, *viz.*

I. To know when any of the Stars come be upon the Meridian.

Bring the hour of 12 *in the hour Circle to the Stars name, then lay the Index, or thred, to the day of the month, so shall the thred or Index tell you at what hour that Star shall be upon the Meridian, and so by this means if you know it not, you may learn to know it.*

II.

II. To know what time of the year any of these stars will be upon the Meridian just at 12 a clock at night.

Bring one of the 12 *in the hour Circle, to the Stars name, laying the thred or Index over the other* 12, *it shall fall upon that day of the year that that Star will be upon the Meridian at* 12 *at night.*

III. To find the hour of the Night.

To find the true hour of the Night by the Stars, you must first find the Stars hour, and that may be found by the little instrument before described, in all respects as you found the hour by the Sun, for all such Stars whose declination do not exceed 23 *deg. and a half. So then the Stars hour being obtained, bring the Stars hour to the Stars name, and lay the thred or index to the day of the month, so shall it fall upon the true hour of the night.*

Such a Nocturnal as this I thought to have here inserted, but considering that things of this Nature are not proper for an Almanack, I thought good only to give an imitation or hint how such a Nocturnal might be conveyed, omitting any farther description or uses thereof; and the rather for that I know there are now lately extant two large Hemispheres containing all the Stars, both of the Northern and Southern constellations, even from the Poles to the Equinoctial, excellently graven in Copper and accurately divided by Mr. *Francis Lamb*, and all the Stars placed therein according to their *right Ascentions*, *declinations* and *Magnitudes*, with an *Index* or *Horizon*, rendring them very useful in the solution of diverse Problems by them performed, as may appear by a little Book written concerning the uses of them, Entituled *Astroscopium*, which Book and Hemispheres, are both to be had at the sign of the *Atlas* in *Cornhil*, near the *Royal Exchange*, as also all sorts of Globes, Mapps, *&c.*

The fore mentioned Dial, and this Nocturnal here spoken of, are made either in Silver, Brass or Wood, by Mr. *Walter Hayes*, living at the *Cross daggers* in *Moor fields*, next to the *Popes Head Tavern*, who maketh all sorts of Mathematical Instruments, both for Sea and Land.

FINIS.